

K-State Wheat Variety Demonstration Plots

Cheyenne County

Plot Location: 12 miles west of St Francis to Road 2, north 2 miles to Road P, 1 mi east and 3/4 mi north

Cooperator: Hingst Farms



Variety			Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %
Langin		Colorado State	90.3	55.6	12.1	10.8
WB 4347		WestBred	89.0	58.6	11.6	11.1
Avery		Colorado State	88.6	56	11.5	10.1
TAM 114		Agseco	86.1	58.3	11.4	10.8
KS Territory		K-State	85.6	55.7	11.0	11
WB 4595		WestBred	85.3	58.4	11.6	10.7
Sheridan		Colorado State	84.4	57.1	11.3	10.6
Guardian		Colorado State	84.2	57.3	11.5	10.4
WB 4792		WestBred	82.5	58	10.9	10.7
KS Dallas		K-State	81.7	57.1	11.1	10.9
KS Homesteader CL+	Clearfield	K-State	81.6	58.1	10.7	11.8
Whistler		Colorado State	80.6	56.9	1.9	10.8
Byrd CL+	Clearfield	Colorado State	79.2	55.3	11.0	11.2
KS Mako		K-State	79.1	57	11.4	11.3
WB Grainfield		WestBred	78.1	56.6	11.5	11.1
LCS Radar		Limagrain	77.4	56.7	11.3	10.9
KS Bill Snyder		K-State	76.1	57.4	11.7	10.9
Amplify SF	emi-solid ster	Colorado State	75.7	57.1	11.0	10.8
LCS Steel AX	Co-Axium	Limagrain	63.7	54.8	10.7	12.4
Average			81.7	57.0	10.9	10.9

Drilled: October 7, 2024

2" deep into moisture

65 lbs/ac

wheat-sorghum-fallow rotation

Fertility: fertilized for 75 bu wheat (nitrogen and phosphorus)

Herbicide: Ally, 2,4-D and fluroxypyr (StareDown)

Fungicide: none

Harvested: July 22, 2025

AX = CoAxium variety, can be treated with Aggressor herbicide

CL+ = 2 gene Clearfield variety, can be treated with higher rates of Beyond herbicide

SF = varieties with a semi-solid stem, to help prevent egg laying by wheat stem sawfly

Thank you to Mai Farms for being the long-time wheat plot cooperator!

All yields are adjusted to 13% moisture.

This data is from demonstration plots. It should be used with replicated performance test data for variety selection.

Please contact Jeanne Falk Jones, K-State Agronomist at (785) 443-3403 or jfalkjones@ksu.edu with questions.

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Overview of the plot:

- Plot drilled into decent moisture. While it was a little slow to emerge it came up evenly.
- Wheat came through the winter well and resumed growth and tillering in the spring.
- While there was mosaic virus symptoms found occasionally in the plot, there was only in low very levels of pressure in the plot. This signaled a very low wheat curl mite population and a late infection.
- Only a very trace level of stripe rust was found in the plot. Because of this, the plot did not have a fungicide application for stripe rust.
- A majority of the grainfill was cool, with three days of very high temperatures. This resulted in some of the later varieties having some shriveled kernels.